



10/773,688

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant (s): Alan W. Weimer

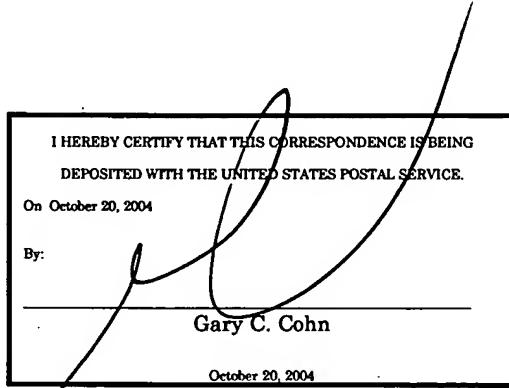
Serial No.: 10/773,688

Group Art Unit: Unknown

Filing Date: February 6, 2004

Examiner: Unknown

For: NANOMATERIALS FOR QUANTUM TUNNELING VARISTORS



Hon. Commissioner of Patents & Trademarks

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to Applicant's duty of disclosure under 37 CFR §1.56, the Examiner's attention is directed to the information identified in the attached Form PTO 1449. A copy of all cited patents and printed publications is enclosed.

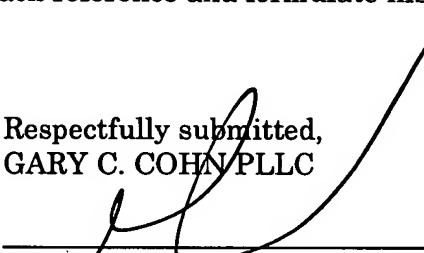
This paper is being filed before the latest of (a) three months after the filing date (if a national application), (b) three months after the date of entry of the national stage (if an international application or (c) before the date of mailing of the first action on the merits.

Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart application not more than three months prior to the filing of this information disclosure statement.

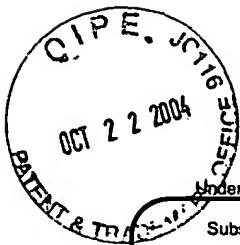
- No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, no item of information contained in this information disclosure statement was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this information disclosure statement.
- The fee set forth in 37 CFR §1.17(p) is enclosed.
- A petition requesting consideration of this information disclosure statement is enclosed.
- The petition fee set forth in 37 CFR §1.17(i) is enclosed.

The Examiner is requested to review each reference and formulate his or her own understanding thereof.

Respectfully submitted,
GARY C. COHN PLLC


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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	10/773,688
Filing Date	February 6, 2004
First Named Inventor	Alan W. Weimer
Art Unit	Unknown
Examiner Name	Unknown

Attorney Docket Number UTC 011

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 5,705,265	01-06-1998	Clough et al.	
		US- 5,271,969	12-21-1993	Ogura	
		US- 5,273,942	12-28-1993	McCauley et al.	
		US- 5,985,175	11-16-1999	Fan et al.	
		US- 6,613,383 B1	09-02-2003	George et al.	
		US- 3,647,358	03-07-1972	Greenberg	
		US- 4,977,357	12-11-1990	Shrier	
		US- 4,726,991	02-23-1988	Hyatt et al.	
		US- 4,992,333	02-12-1991	Hyatt	
		US- WO 03/008186 A1	01-30-2003	George et al.	
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ "Number" "Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁵

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	10/773,688
		Filing Date	February 6, 2004
		First Named Inventor	Alan W. Weimer
		Art Unit	Unknown
		Examiner Name	Unknown
Sheet	2	of	4
		Attorney Docket Number	UTC 011

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
		Rony, DIFFUSION KINETICS WITHIN SUPPORTED LIQUID-PHASE CATALYSTS, Journal of Catalysis 14, 142-147 (1969)		
		Yin et al., STUDY OF SUPPORTED LIQUID PHASE CATALYSTS FOR HYDROFORMYLATION OF OLEFINS CONTAINED IN FCC DRY GAS, Beijing, China, Vol. 2, 614-620 (1991)		
		Wu et al., CATALYTIC HYDRODECHLORINATION OF CCL4 OVER SILIA-SUPPORTED PDCL ₂ -CONTAINING MOLTEN SALT CATALYSTS: THE PROMOTIONAL EFFECTS OF COCL ₂ AND CUCL ₂ , Journal of Catalysis, 164-177 (1996)		
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		Kolodziej et al., A STUDY OF THE INTERNAL DIFFUSION OF GASES IN POROUS CATALYSTS IN THE PRESENCE OF A LIQUID PHASE, Chemical Engineering and Processing, 31, 255-261 (1992)		
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		Jelles et al., SUPPORTED LIQUID PHASE CATALYSTS, Studies in Surface Science and Catalysis, Vol. 116, 667-674 (1998)		
		Freeman et al., THERMAL DESTRUCTION OF HAZARDOUS WASTE- A STATE OF THE ART VIEW, Journal of Hazardous materials 14, 103-117 (1987)		
		Brusewitz et al., PROBLEMS IN USE OF SUPPORTED LIQUID-PHASE CATALYSTS IN FLUIDIZED BED REACTORS, Chem. Eng. Technol. 15, 385-389 (1992)		
		Johanson et al., ELIMINATION OF HAZARDOUS WASTES BY THE MOLTEN SALT DESTRUCTION PROCESS, Rockwell International, 234-242		

Examiner Signature	Date Considered
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Sheet 3	of 4	Attorney Docket Number	UTC 011

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		Stelman et al., TREATMENT OF MIXED WASTES BY THE MOLTEN SALT OXIDATION PROCESS, Rockwell International, 795-799		
		Upadhye, MOLTEN SALT DESTRUCTION OF ENERGETIC MATERIAL WASTES AS AN ALTERNATIVE TO OPEN BURNING, Chemistry for the Protection of the Environment 2, 267-276 (1996)		
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		Joshi et al., METAL-ORGANIC SURFACTANTS AS SINTERING AIDS FOR SILICON NITRIDE IN AN AQUEOUS MEDIUM, J. Am. Ceram. Soc., 77(11) 2926-34 (1994)		
		Powell, et al., GAS-PHASE COATING OF TiO ₂ WITH SiO ₂ IN A CONTINUOUS FLOW HOT-WALL AEROSOL REACTOR, J. Mater. Res. 12, pp. 552-559, Feb 1997		
		Weimer et al., CONFORMAL ENCAPSULATION OF FINE PARTICLES WITH CERAMIC NANOLAYERS, AIChE 2001 Annual Meeting, November 4-9, 2001, Reno, Nevada.		
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		Powell et al., SYNTHESIS OF ALUMINA- AND ALUMINA/SILICA COATED TITANIA PARTICLES IN AN AEROSOL FLOW REACTOR, Chem. Mater. 1997, 9, 685-693.			
		Lange, POWDER PROCESSING SCIENCE AND TECHNOLOGY FOR INCREASED RELIABILITY, J. Am. Ceram. Soc. 72 (1) 3-15 (1989)			
		Powell et al., COATING OF TiO ₂ PARTICLES BY CHEMICAL VAPOR DEPOSITION, Chem. Vap. Deposition 1996, pp179-181.			

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